

Date: July 19, 2011

To: Craig Partridge, Washington State Department of Natural Resources

Re: Monthly Report Contract No. PSC 11-10, Washington Forest Biomass Supply Assessment

Submitted by: John Perez-Garcia, Principal Investigator

1) Activities Undertaken:

- a) Completed large data overlay process for integrating inventory data with ownerships, slope and management zones
- b) Completed initial integration of timber inventory data with spatial forestland database
- c) Completed development of process to update inventory using spatial database by matching pre-2010 harvest levels to DOR/DNR harvest reports by owner class
- d) Completed initial integration of biomass inventory data with spatial forestland database
- e) Completed development of queries to extract timber and biomass volume from database in 2010
- f) Began development of queries to extract timber and biomass volume from database in 2020 and 2030
- g) Began critical review of timber harvest volumes produced by the database to ensure consistent and rational results
- h) Continue to backfill data gaps from survey candidates throughout Washington.
- i) Conducted conference call with the University of Washington on 16 June 2011 to discuss next deliverable:
  - i) Forest operations (harvest and stand management prescriptions).
  - ii) Development of current biomass consumption and potential production.
- j) Continue development of harvest and stand management prescriptions by owner class and forest ecosystem.
- k) Continue organizing and compiling data for determination of prospective biomass recovery factors by forest ecosystem.
- l) Continue organizing and compiling data for determination of current biomass consumption estimates from fiber procurement manager interviews.
- m) Continue organizing and compiling data for determination of current biomass production estimates from biomass processing contractor interviews.

- n) Maintain communication with the University of Washington to assist in solving issues related to fuel shed locations and the biomass calculator. .
  - o) Conduct Initial Findings presentations in Wenatchee on 11 July and in Olympia on 12 July.
  - p) We continue to receive data from both landowners and biomass processing companies, though the flow has slowed considerably.
  - q) Develop biomass production cost assessments necessary for fuelshed and transportation analysis.
  - r) Develop biomass transport cost assessments necessary for fuelshed and transportation analysis.
  - s) Assemble biomass market pricing necessary for fuelshed and transportation analysis.
  - t) Generate list of existing, proposed and hypothetical biomass consuming facilities to establish competitive analysis and prospective fuelshed.
  - u) Ran base simulations
  - v) Applied harvest updates to base simulations
  - w) Created inventory for 2010
  - x) Ran management scenarios
  - y) Ran treatments
  - z) Ran biomass simulations
  - aa) Processed interim report
- 2) Potential Problems: the decision by SDS Lumber Co., Port Blakely to not participate in either the landowner survey or the biomass recovery survey. Now it appears as if Longview Timber has elected not to participate, as they deem the survey too detailed with regard to their operations. We have yet to hear from Rayonier, and continue to attempt to contact their representative on a weekly basis. We continue to receive data from both landowners and biomass processing companies, though the flow has slowed considerably.
- 3) Plans to address said obstacles: We will continue to evaluate the need for their contribution given data assembled from other participants to see if their decisions to not participate can significantly impact the information we are getting from the land owners, mill operators and biomass processors. Shortly we will decide to discontinue our attempts to contact representatives and continue processing the data to date. Any immediate gaps that are identified will be consulted with DNR project management